HAIMIN ZHANG

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EDUCATION

King's College London — **London UK**

Master of Science, Finance Analytics — **09/2021 – 09/2022**

- **Grade:** Merit
- **Core Courses - Finance**: Principles of Finance, Finance Derivatives, Risk Management, Behavioural Finance
- **Core Courses - Data Science**: Big Data and Text Business and Finance Analytics, Introduction to Analytics in Finance
- **Honours:** Entrepreneurial Leadership Training Certification
  Student Representative Gold Award

Macau University of Science and Technology — **Macau China**

Bachelor of Business Administration, Business Analytics — **09/2017 – 06/2021**

- **GPA: 3.6**/4.0 (**First Class Honours**, Top **10%** of 2600 graduates students)
- **Core Courses - Business**: Accounting, Finance, Marketing, Strategy Management, Organisation Behaviour
- **Core Courses - Data Science**: Data Structures and Database, Data Mining, Big Data, Neural Network
- **Honours: Dean's Outstanding Student** for excellent academic achievement
  KPMG ·16th Corporate Culture Case Analysis Competition Certificate
  Classic Business Case Course Graduation Certificate

PROFESSIONAL EXPERIENCE

Macrobond Financial Ltd. — **London UK**

Data Sales Associate — **12/2022 – Present**

- Designed a work flow example with model of feature selection in cross asset strategy project for Macrobond's new python package, using ARDL and forward selection technique, which can deal with time series universe with any frequency, length, processing data automatically
- Created interactive webpage report for sales team with internal database coverage analysis and data usage analysis, using python and SQL(ClickHouse), to improve the sales team's understanding to Macrobond's data image and client behaviour
- Generated and maintained the code examples of using Macrobond's Data Feed service, after discussion with R&D and IT department to understand the endpoints of service and providing product improvement requirements.
- Communicated with two to three WebAPI Clients per week, including quant traders, hedge funds, etc., about how to reach to desired data from our database both manually and programmatically with demos and meetings, and supported extracting and transforming data into format that they desire or integrating codes into functions for users to plug-and-play

Forchange Tech (Shenzhen) Inc. — **Shenzhen China**

Data Analytics Internship — **03/2021 – 05/2021**

- Designed and developed an analytical model for an internet education provider; analysed the quality of the content according to the behaviour of each participant to improve the course satisfaction rate and the sales performance
- Constructed a dynamic quantitative index in Python, quantifying the cognitive and behaviour of the participants (e.g., participation duration and interruption times), and segmented the participants based on their motivation and knowledge level
- Gained practical experience of data extraction, exploring data analytics (EDA) and feature engineering, and created a compelling and interactive visualisation to clearly exhibit and explain the findings of data analytics

PROJECT EXPERIENCE

Macau University of Science and Technology — **Macau China**

Data Analytics Project Leader — **02/2020 – 05/2020**

- Analysed the financial products provided from a P2P financial lending platform and identified the major factors that impact the potential default probability, using the machine learning classification and clustering techniques
- Built RNN and LSTM models to analyse the timeseries of monthly default probability and fine-tuned the hyperparameter, such as learning rate and network layers, automatically by grid search
- Sharpened my ability to use Python for analysing the distribution of a large volume of complex data information; received rigorous training on Data Analytics, Machine Learning and Financial Modelling

King's College London — **London UK**

Dissertation — **05/2022 – 08/2022**

- Conducted detailed correlation analysis between market sentiment proxies, including the CBOE VIX level and daily trading turnover rate, and the Bloomberg sentiment score, using different regression methods including Peason Test and Grangers Causation Test
- Developed machine learning techniques, such as nature language processing, to predict the returns of S&P500 ETF based on the trend of market sentiment factors and benchmarks

SKILLS AND LANGUAGE

Coding:	Python (advanced)	SQL (advanced)	HTML (intermediate)
Statistics:	Excel (advanced)	R (intermediate)	Minitab (intermediate)
Software:	Bloomberg (beginner)	PowerPoint (advanced)	Macrobond (advanced)
Languages:	English (fluent)	Chinese (native)	Cantonese (intermediate)